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动物分类学报

中国倍唇螺属一新种记述 (前鳃亚纲, 中腹足目, 环口螺科)

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摘 要 笔者对我国已记载的倍唇螺属 Diplommatina Benson, 1849 种类进行了厘订, 并对馆藏的该属标本进行整理和鉴定, 发现 1 新种, 即兴义倍唇螺 Diplommatina xingyinensis sp. nov., 新种隶属前鳃亚纲、中腹足目、环口螺科、倍唇螺属。对新种形态特征、栖息环境进行了记述, 并对其近似种进行了讨论。

关键词 前鳃亚纲, 中腹足目, 环口螺科, 倍唇螺属, 新种.
中图分类号 Q959.212

倍唇螺属 Diplommatina 由 Benson 于 1849 年确立, 其属的特征为: 贝壳较小, 右旋或左旋, 大多数情况下呈卵圆形或纺锤形。脐孔为细长的裂口。壳口近似于圆形, 口缘不连续, 宽阔, 具有一轴褶, 并常有 1 颚褶。厣为石灰质圆片, 其外侧带有数个螺旋纹。属的模式种: Bulimus folliculus Pfeiffer, 1846。以前许多学者将此属订为 Bulimus, 嗣后 Kobelt and Moellendorff (1898) 订为 Eudiplommatina; R. Bieler 于 1992 年将倍唇螺属分为 6 个亚属, 即: Diplommatina (D.) s. s.; D. (Angigastera); D. (Metadiancta); D. (Sinica); D. (Moussonia); D. (Diploptychia)。笔者认为还是倍唇螺属 Diplommatina 为妥。此属的种类主要分布于印度半岛、印度支那、中国、日本、新几内亚和印度群岛、摩鹿加群岛、阿鲁群岛 (印尼)、斐济群岛、萨摩亚群岛、菲律宾等地。对馆藏的该属标本整理时, 经鉴定, 得 1 新种, 即兴义倍唇螺 Diplommatina xingyinensis sp. nov.。

兴义倍唇螺, 新种 Diplommatina xingyinensis sp. nov. (图 1～4)

正模标本 壳高 3.60 mm, 壳宽 2.15 mm; 壳口高 1.25 mm, 壳口宽 1.55 mm; 副模标本 51 个。壳高 3.45～3.64 mm, 壳宽 2.05～2.35 mm; 壳口高 1.10～1.35 mm, 壳口宽 1.40～1.61 mm。正、副模标本于 1998 年 7 月 13 日采自贵州省兴义县峰丛。正、副模标本均保存于中国科学院动物研究所 (北京)。

形态描述 贝壳小, 壳质稍厚, 坚实, 半透明, 有光泽, 呈卵圆形, 有 6 $\frac{1}{2}$ 个螺层, 前几个螺层增长较快, 略膨胀, 凸起。螺旋部高, 呈高圆柱形, 体螺层增长迅速, 膨大, 但比倒数第 2 螺层小。螺轴稍偏斜。壳顶钝, 缝合线深。壳面呈浅黄褐色, 并有无数成斜行排列、较粗的肋纹, 胚螺层光滑, 无肋纹。壳口呈椭圆形, 口缘完整, 外折, 其边缘外卷, 厚, 形成双唇。内唇贴覆于体螺层上, 较窄。在轴缘处有一小的突起, 其下方有 1 小的凹陷, 并向外形成一翼状。脐孔小, 略被轴缘遮盖, 呈缝隙状。

栖息环境: 多为生活在阴暗潮湿、多腐殖质阔叶林的石灰岩地区, 栖息于落叶、腐木、石块下和岩石缝隙中。

讨论 新种与荔波倍唇螺 Diplommatina liboensis Ran et Chen, 1999 在外形上较相似, 但新种贝壳较小 (壳高 3.60 mm, 壳宽 2.15 mm; 壳口高 1.25 mm, 壳口宽 1.55 mm), 有 6 $\frac{1}{2}$ 个螺层。壳口呈椭圆形, 口缘完整, 外折, 其边缘外卷, 厚, 形成双唇。内唇贴覆于体螺层上, 较窄。在轴缘处有一小的突起, 其下方有 1 小的凹陷, 并向外形成一翼状。后者贝壳较大 (壳高 5.28 mm, 壳宽 3.06 mm; 壳口高 2.33 mm, 壳口宽 2.22 mm), 有 7 个螺层。在轴缘处无突起, 其下方无凹陷及翼状。

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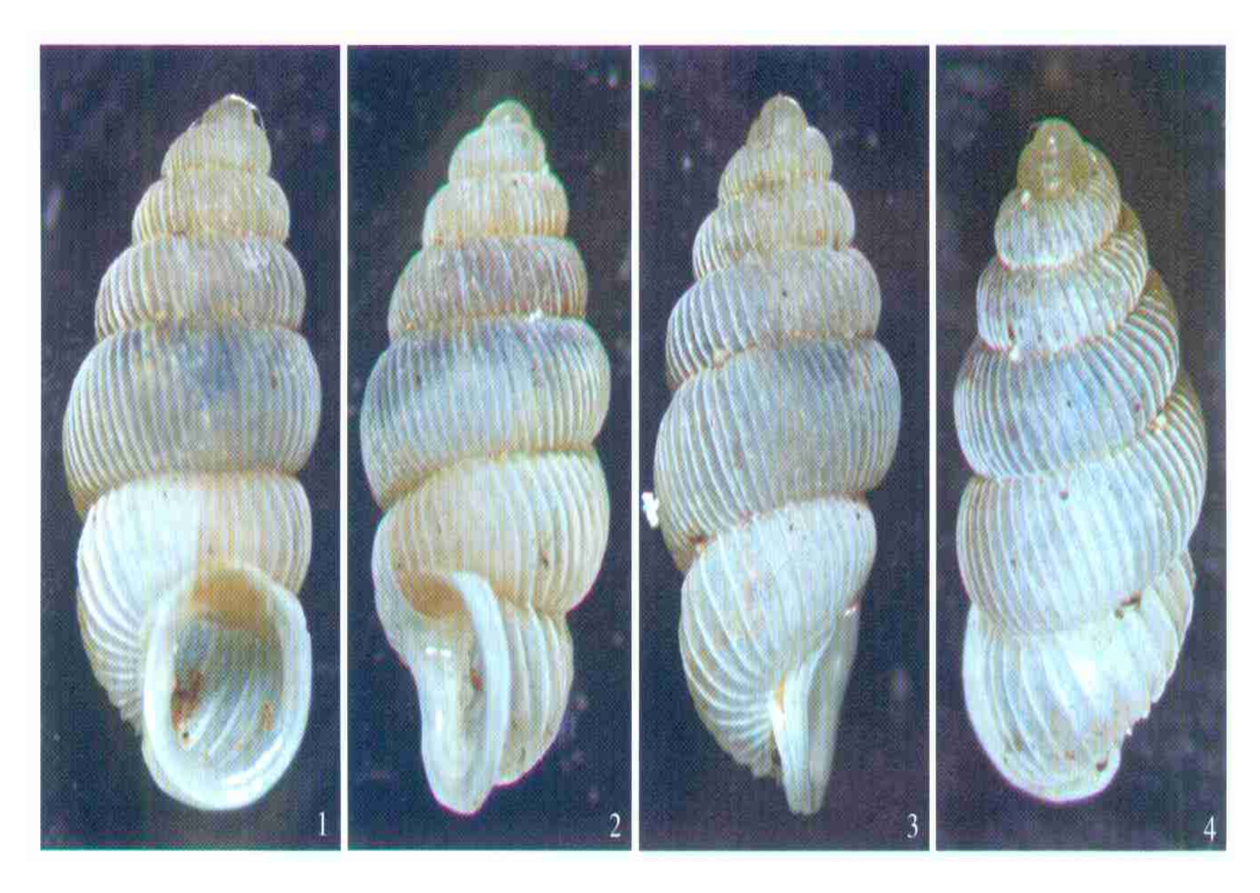


图 1～4 兴义倍唇螺,新种 Diplommatina xingyinensis sp. nov.
1. 侧面观 (lateral view of shell) 2. 左侧面观 (left lateral view of shell) 3. 右侧面观 (right lateral of shell)
4. 背面观 (dorsal view of shell)

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A NEW SPECIES OF THE GENUS DIPLOMMATINA BENSONN, 1849 FROM CHINA (PROSOBRANCHIA, MESOGASTROPODA, CYCLOPHORIDAE)

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Abstract The paper deals a new species of genus Diplommatina Benson, 1849 from Guizhou Province. Type specimens deposited in the Institute of Zoology, Chinese Academy of Scinces, Beijing.

Diplommatina xingyinensis sp. nov. (Figs. 1-4)

Shell small, a little thick, lustrous, pupa-formed. Whorls 6 $\frac{1}{2}$ moderately convex, with high spiral part, the primordial 1-2 whorls very convex. Shell light yellowish brown, surface very rough and with some rib-stria, and the protoconch smooth but duul. Aperture circular, thick, with two lips, somewhat expanded and turning over, and a very small columellar marginal projecting, and corresponding internal sunken, and with small aerofoil on left lip. Umbilicus small, crack-formed.

This new species closely resembles Diplommatina liboensis Ran et Chen, 1999, but differs from the latter in reaching small size; (alt. 3.60 mm, diam. 2.15 mm; alt. of aperture 1.25 mm, diam. of aperture 1.55), aperture circular, thick, with two lips, somewhat expanded and turning over, and a very small columellar marginal projecting, and corresponding internal small sunken, and with a small aerofoil on left lip. The shell of the latter species is larger, with 7 whorls, (alt. 5.28 mm, diam. 3.06 mm; alt. of aperture 2.33 mm, diam of aperture 2.22 mm), without projecting on columella lip, and below without corresponding internal sunken, and small aerofoil on left lip.

Holotype. Alt. 3.60 mm, diam. 2.15 mm; alt. of aperture 1.25 mm, diam. of aperture 1.55 mm. Fengcong Town, Xingyi County (25°1′N, 104°8′E), Guizhou Province, China, 13 July 1998. Paratypes 51. Alt. 3.45-3.64 mm, diam. 2.05-2.35 mm; alt. of aperture 1.10-1.35 mm, diam. of aperture 1.40-1.61 mm. Fengcong Town, Xingyi County (25°1′N, 104°8′E), Guizhou Province, China, 13 July 1998.

Key words Prosobranchia, Mesogastropoda, Cyclophoridae, Diplommatina, new species.